

Begin

Reel # 496
Serba, B.I.

SERMA, B.M.

Vermiculite of the Sallanlatvine Massif. Zap. Vses. min. sb-v
92 no.6:708-713 '63. (MIRA 18:3)

1. Karel'skaya kompleksnaya ekspeditsiya Severo-Zapadnogo geolo-
gicheskogo upravleniya.

ZUYEV, S.P.; SERBA, F.I.

Workers of our mine are struggling for working safety. Bezop.truda
v prom. 2 no.10:23-24 0 '58. (MIRA 11:11)

1. Nachal'nik shakhty "Bokovo-Platovskaya" Luganskogo sovnarkhoza
(for Zuyev). 2. Zamestitel' glavnogo inzhenera shakhty "Bokovo-
Platovskaya" Luganskogo sovnarkhoza (for Serba).
(Donets Basin--Coal mines and mining--Safety measures)

NOVIKOV, B.G. [Novykov, B.H.]; CHEPINOGA, O.P. [Chepynoha, O.P.]; LYUBARSKAYA, M.A. [Liubars'ka, O.M.]; SERBA, R.M.; PTITSA, A.N. [Ptytsia, O.M.]

Some specific features of the desoxyribonucleic acid of erythrocytes and somatic characteristics of ducks during cross treatment with desoxyribonucleic acid preparations. Ukr. biokhim. zhur. 33 no.5: 633-645 '61. (MIRA 14:10)

1. Institutw of Physiology of Kiyev State University and Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.

(DESOXYRIBONUCLEIC ACID)

CHEPINOVA, O.P. [Chepyova, O.P.]; NADEZHINA, S.P. [Nad'ozhyna, S.P.];
SERBA, R.M.

Nature of the composition and metabolism of some fractions of ribonucleic
acid in the liver. Ukr. biokhim. zhur. 35 no.5:643-655 '63.
(MIRA 17:5)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.

SERRA, V., inzhener.

2,000,000 caramels per hour. Tekh.molod. 21 no.8:22-26 Ag '53. (MLRA 6:7)

1. Fabrika "Krasnyy Oktyabr'."

(Confectionery)

SERBA, V.N.

Determining the rates of forming by stamping and cutting machines
used in caramel production. Trudy VKNII no.14:43-58 '59.

(MIRA 14:5)

(Confectionery--Equipment and supplies)
(Caramel)

SERBA, Yu.D., elektromekhanik

Prevention of premature deterioration of conductors. Avtom. telem.
i sviaz' 3 no.5:42 My '59. (MIRA 12:8)

1. Tuapsinskaya distantiya signalizatsii i svyazi Severo-Kavkazskoy
doro^g.
(Electric lines--Maintenance and repair)

RUMANIA/Human and Animal Physiology - (Normal and Pathological). T
Internal Secretion. Pancreas.

Abs Jour : Rf Zhur Biol., No 4, 1959, 17760

Author : Serban, Alexandru

Inst : -

Title : Diabetes and Pregnancy.

Orig Pub : Obstetr. si ginecol., 1958, 6, No 3, 197-206

Abstract : No abstract.

Card 1/1

- 69 -

SERBAN, A. M.; STETESCU, L.; JUVINA, E.

Uptake of P^{32} by the thyroid gland of castrated and adrenalectomized animals under the influence of chorionic gonadotropin. Rev. sci. med. 5 no.1/2:103-107 '60.

(PHOSPHORUS metab) (THYROID GLAND metab)
(CASTRATION exper) (ADRENALECTOMY exper)
(GONADOTROPINS, CHORIONIC pharmacol)

SERBAN, M.D. Al.; STATESCU, L.; NEACSU, C.

The action of chorionic gonadotrophin on P32 uptake at the level of the uterus in castrated and adrenalectomized animals. Rev. sci. med. 5 no.3/4:245-249 '60.

(GONADOTROPINS CHORIONIC pharmacol.)

(PHOSPHORUS metabolism)

(UTERUS metabolism)

(CASTRATION experimental)

(ADRENALECTOMY experimental)

COSMA, V., dr.; SERBAN, A., dr.; POPESCU, St., dr.

Polyangiitis with meningo-cerebral manifestations. Med. int.,
Bucur. 12 no.2:305-309 F '60.

(PERIARTERITIS NODOSA, complications)

(MENINGEAL ARTERIES, diseases)

(CEREBRAL ARTERIES, diseases)

SERBAN, Al., dr.; BEDIVAN, Maria, dr.

Present aspects in the pathological morphology of staphylococcal infections. Microbiologia (Bucur) 6 no.1:37-42 Ja-F '61.

1. Catedra de anatomie patologica a Institutului medico-farmaceutic, Cluj.

*

SERBAN, Al. M. D.; LUPULESCU, A.; JUVINA, Elena

Modifications of the adrenal medulla after thyroidectomy in rats.
Stud. cercet. endocr. 13 no.1:39-44 '62.

(ADRENAL MEDULLA pathology)
(HYPERTROPHY AND HYPERPLASIA experimental)
THYROID GLAND physiology)

SERBAN, Al. M. D.

Considerations on the examination of non-fixed vaginal smears. Stud.
cercet. endocr. 13 no.1:139-140 '62.

(VAGINAL SMEARS)

SERBAN, Al. M.D.; CHIVU, Viorica; SAHLEANU, V.

Data on the action of serum gonadotropin and chorionic gonadotropin on the adrenal gland. Stud. cercet. endocr. 13 no.2: 251-257 '62.

(GONADTROPINS pharmacology) (ADRENAL GLAND pharmacology)

SERBAN, Al. M.D.; MOLAR, I.; WINTER, Jeanneta

Clinical data on the action of estradiol diundecylate. Stud.
cercet. endocr. 13 no.2:307-310 '62.
(ESTRADIOL therapy) (AMENORRHEA therapy)

SERBAN, Al. M.D.; SAVESCU, Gh.; TACHE, Alina; BUSILA, Eugenia

Considerations on the tissue factor in hypertrichosis. Stud. cercet.
endocr. 13 no.5:685-691 '62.

(VERILISM)	(HYPERTRICHOSIS)	(17-KETOSTEROIDS)
(MENSTRUATION DISORDERS)	(GONADTROPINS)	

NEACSU, C.; SERBAN, Al. M.D.; JUVINA, Elena; STATESCU, L.

Contributions to the study of cerebral metabolism under hormone influence. Comunicarile AR 13 no.1:95-102 Ja '63.

1. Comunicare prezentata de academiqian St.-M. Milcu.

f

SERBAN, Al. M.D.; SIMIONESCU, N.; JUVINA, Elena; POPESCU, Alice

Interference with the action of estrogens by administration of pineal
extract. Stud. carcin. endocr. 14 no.2:243-251 '63.

(ESTROGENS) (UTERUS) (VAGINA) (MUSCLES)
(LIVER) (PINEAL BODY) (TISSUE EXTRACTS)

SERBAN, Al.M.D.; STROE, Emilia; KLEPSCH, Iulia; BUSILA, Eugenia;
GAROIU, M.

Hormonal data in mastopathies. Stud. cercet. endocr.
14 no. 3:399-408 '63.

(BREAST DISEASES) (ESTROGENS)

DANIELLO, L., prof.; TIMOC, I., dr.; SERBAN, Al., dr.; MIHAIU, V., dr.;
MOLL, E., dr.

Contributions to the study of post-bronchographical oily pneumopathy,
with reference to 14 cases. Med. intern. 15 no.2:143-152 F '63.

1. Lucrare efectuata in Clinica de ftiziologie, I.M.F. Cluj.
(LUNG DISEASES) (IODIZED OILS) (THORACIC RADIOGRAPHY)

SERBAN, A.M.D.; WOLFSHAUT, C.; STRIHAN, Puica; KLEPSCH, Iulia; OPRESCU, Marcela; MAXIMILIAN, C.

Secondary amenorrhea in two monozygote twins. Stud. cercet. endocr. 15 no.2:155-160 '64.

SERBAN, Al.M.D.; DAMIAN, Al.; SUCIU, Eugenia

2 cases of familial androgenism (Stein-Leventhal syndrome).
Stud. cercet. endocr. 15 no.2:169-173 '64.

SERBAN, Al. M.D.; BELLOIU, D.; AUGUSTIN, M.; KLEPSCH, Iulia; CUPCEANCU, B.

Galactorrhea after administration of superprednol. Stud.
cercet. endocr. 15 no.4:369-371 '64.

SERBAN, Al. M.D.; KLEPSCH, Iulia; STROE, Emilia; BUNEA, Minodora

The action of 4-chlortestosterone acetate on neurovegetative disorders of the climacteric. Stud. cercet. endocr. 15 no.1:63-67 '64.

SERBAN, Al. M.D.; NANU, Lydia; MARCEAN, Rodica; SITARU, Silvia

Influence of castration and estrogens on the action of hypoglycemic sulfonamides. Stud. cercet. endocr. 15 no.6:519-524
'64.

SERBAN, Al. M.D.; STROB, Emilia; KLEPSCH, Iulia; CRISTOVEANU, Ana

Hormone elimination in asymptomatic climacteric. Stud. cercet.
endocr. 15 no.6:573-577 '64.

BUCUR, N.; DIACONESCU O.; SERBAN, Al.; STROILA, C.

Contributions to the interpretation of the so-called supraclavicular
panniculitis. Stud. cercet. endocr. 15 no.5:451-457 '64.

SARGAN, A.I.M.D.; CUPCEANCU, B.; KLEPOCH, Iulia; STROE, Emilia

Clinical results after administration of lynestrenol with
methoxy-ethinylestradiol. Stud. cercet. endocr. 15 no.5:
475-479 '64.

SAHLEANU, V.; HOLBAN, Ruxandra; JUVINA, Elena; SERBAN, Al. M.D.

Changes in radiophosphorus uptake in organs of the white rat
after epiphysectomy and pseudo-epiphysectomy. Studii cercet.
endocr. 16 no.2:121-127 '65.

SERBAN, Al. M.D.; SIMIONESCU, N.; DAMIAN, Al.; TACHE, Alina; SUCIU, Eugenia.

Some possible correlations between ovarian histopathology and chromatography of 17-ketosteroids in pilary virilism. Stud. secret. endocr. 16 no.1245-53 '65.

SERBAN, Al.M.D.; DINULESCU, Elena; BELICIU, D.; CUPCEANCU, B.

Changes in free fatty acids after castration and administration
of estrogens. Stud. cercet. endocr. 16 no.3:263-269 '65.

SERBAN, A1.; MURESANU, A.; MORARU, M.; DIACONU, E.

Contributions to the study of muscular lesions in certain
cardiovascular diseases and collagenoses. Rumanian med. rev.
19 no.3:14-22 J1-S '65.

SERBAN, A., ing.; GLIGORE, I.

Reduction of the cost price at the Portelanul Enterprise,
Cluj. Probleme econ 17 no.10:150-151 O '64.

1. Director, "Portelanul" Enterprise, Cluj (for Serban).
2. Chief Accountant, "Portelanul" Enterprise, Cluj (for Gligore).

SERBAN, C.; ADAMACHE, I.; BODEA, I.

Use of depth valves in the exploitation of oil wells by means of artificial flooding. p. 394.

PETROL SI GAZE. (Asociatia Stiintificia a Ingineri or si Technicienilor din Rominia si Ministerul Industriei Petrolului si Chimiei) Bucuresti Rumania. Vol. 10, no. 9, 1959

Mon'hly list of East European Accessions (EEAI) LC Vol. 9, no. 2
Feb. 1960

Uncl.

NICOLAU, C.T., prof.; GORESCU, I., dr.; coloboratori tehnici GEORGIU, T.; SERBAN, C.

Experimental investigations of the etiology of leukoses. I. Induction of leukosis in H mice with acellular filtrates of Ehrlich's ascites carcinoma and transplantable L 10 sarcoma. Med. intern. 3:269-274 Mr '62.

(LEUKEMIA virology)

(NEOPLASMS experimental)

NICOLAU, C.T.; GORESCU, I., dr.; colaboratori tehnici: GEORGIU, T.;
SERBAN, C.

Experimental investigations of the etiology of leukoses. II. Induction
of leukoses in H mice by injections of acellular extracts of bone marrow
from acute human leukoses. Med. intern. 3:275-280 Mr '62.
(LEUKEMIA virology) (BONE MARROW extracts)

SERBAN, DUMITRU

RUMANIA/Chemical Technology, Chemical Products and Their Application, Part 2: - Ceramics, Glass, Binders, Concretes, - Binders, Concretes and Other Silicate Building Materials.

H-13d

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 3337.

Author : Șerban Solacolu, Dumitru Șerban.

Inst : Not given.

Title : Refractory Alumina Cements.

Orig Pub: Ind. construcțiilor și mater. constr., 1957, No 3, 465-472.

Abstract: The results of experimental studies of hydraulic properties of some highly aluminous cements (HC) of the system $\text{SiO}_2 - \text{Al}_2\text{O}_3 - \text{Fe}_2\text{O}_3 - \text{CaO}$ are presented. In all, 22 synthetic mixtures containing (in % by weight) SiO_2 from 3 to 10, Al_2O_3 from 37.4 to 79.6, Fe_2O_3 from

Card : 1/2

.. RUMANIA/Chemical Technology, Chemical Products and Their
Application, Part 2. - Ceramics, Glass, Binders,
Concretes. - Binders, Concretes and Other Sili-
cate Building Materials.

H-13d

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 3337.

2 to 8, and CaO from 15.4 to 44.1 were made. The fe-
ractory concretes with binding containing 15% of HC
and a high ferrous modulus possess the highest σ
comp.

Card : 2/2

\$

SERBAN, D

AUTHOR: None given

TITLE: Meeting of the Chemical Industry

PERIODICAL: *Revista de Chimie*, 1960, Vol. 11, No. 5, pp. 279 - 302

R/003/60/011/005/018/023
A125/A026

TEXT: In the opening on "Radioisotopes in Research and Chemical Industry" held on March 7 - 8, 1960, organized by Soviet Union - Council of Radiatomic (Chemical Section - Radiometrical Commission) led by Mr. O. Frolov and opened by lecturer I. Brumey, President of the Chemical Section, and by Prof. B. V. Melman 3. Brumey, the following papers were read: "Production of Radioactive Isotopes in the Soviet Union", "Sulfur-35 and Sulfur-36 Fractions" by G. Chelomen and A. Gromov; "Chemometrical Sources Produced at the Institute of Nuclear Physics by L. G. Isee, P. Floridan and M. Gromov"; "Principles for Planning and Organization of the Radiometrical Laboratories" by M. Dmitriy; "Production of the Gamma-A-emitter that the Nuclear Action of Ionizing Radiation with the Aid of Free Chemical Compounds" by Yu. Shchukin; "Decomposition within the Laboratories of Radiometrical Isotopes" by I. Gantser and D. G. Gantser.

[illegible]

Card 2/2

IVANOF, A.; SERBAN, D.; BARNA, B.; TOLAN, L.; SIGHETI, I.; TECSA, D.; LANGHEL, I.

Study of the efficiency of vaccine and anatoxin preventive vaccination in staphylococcal infections. Microbiologia (Bucur) 6 no.1:66 Ja-F '61.

1. Institutul de igiena Cluj (for Ivanof, Serban). 2. Casa copilului Cluj (for Barna, Tolan, Sigheti, Tecsca). 3. Sanepidul regional Cluj (for Lenghel).

GHEORGHIU, Traian D.; SERBAN, D.; LITERAT, R.; MEITERT, St.

Increasing productivity of a cement-clinker rotary kiln of the Lepol type, based on the determination of the speed and way of passing of the material through the said aggregate by means of radioactive isotopes. Comunicarile AR 11 no.10:1179-1180 O '61.

1. Membru corespondent al Academiei R.P.R.(for Gheorghiu)

GASPAR, E.; LICARET, C.; SERBAN, D.

Deactivation of water contaminated with radioactive isotopes.

Studii cerc fiz 12 no.1:29-38 '61.

(EEAI 10:9)

1. Institutul de fizica atomica, Bucuresti.

(Water) (Radioisotopes)

SERBAN, D.; VLAD, T.; LICARET, C.

Decontamination of surfaces and objects contaminated by radioactive substances. Pt.1. Rev chimie Min petr 14 no.9:535-537
S '63.

POFINCEANU, N., prof.; SERBAN, D., ing.; SERBAN, Gh., ing.

Contributions to the determination of the efficiency of toothed
wheel gears made of plastics. Constr mas 15 no.10:679-683 0 '63.

1. Polytechnic Institute, Iasi.

L 64950-65 EWF(j)/T RM

ACCESSION NR: AP5023467

RU/0003/64/015/011/0692/0695

AUTHOR: Licaret, C.; Serban, D.; Vlad, T.

14
B

TITLE: Decontamination of surfaces and objects contaminated with radioactive substances. Cotton-made protection. III. Experimental part.

SOURCE: Revista de chimie, v. 15, no. 11, 1964, 692-695

TOPIC TAGS: nuclear decontamination, radioactive contamination, solution property, nuclear decontamination agent

ABSTRACT: The authors found that good decontamination was given by complexing and detergent solutions in concentrations of 0.30 and 0.25 percent respectively (much less than suggested in the specialty literature). Best results were given by sodium hexametaphosphate and sodium ethylene-diamino-tetraacetate mixed with solutions of Dero-40, Penetrol and Alba. Maximum decontamination was given by 3 washing-rinsing cycles lasting about 5 minutes for each cycle.

Orig. Art. Incl.: 2 graphs and 4 tables.

1/2

L 64950-65

ACCESSION NR: AP5023467

ASSOCIATION: none

SUBMITTED: 00

NR REF SOV: 000

ENCL: 00

OTHER: 004

SUB CODE: NP, GC

JPRS

ACCESSION NR: AP4038913

R/0003/64/015/004/0218/0219

AUTHOR: Gheorghiu, Tr.; Serban, D.; Vlad, T.; Licaret, C.

TITLE: Decontamination of objects and surfaces contaminated with radioactive substances. II. Experimental part

SOURCE: Revista de chimie, v. 15, no. 4, 1964, 218-219

TOPIC TAGS: Decontamination of object, surface decontamination, radioactive isotope, ^{32}P , ^{51}Cr , ^{60}Co , ^{65}Zn , ^{75}Se , ^{90}Sr , ^{95}Zr , ^{110}Ag , ^{124}Sb , ^{131}I , ^{147}Pm , decontaminant solution, water, ethanol, HCl, citric acid, sodium citrate, ammonium citrate, acetic acid, ligroin, EDTA, H sub 3 PO sub 4, HNO sub 3, H sub 2 SO sub 4, Na sub 3 PO sub 4, K sub 2 Cr sub 2 O sub 7

ABSTRACT: The following materials have been contaminated with 1cm^3 of radioactive solution of 5 to 10 microcurie/ cm^3 and dried in sunlight: glass, tin cans, aluminum foil, iron plates, linoleum, unplasticized polyvinylchloride. 11 radioactive isotopes have been used in different water soluble salts: ^{32}P (Na_2HPO_4), ^{51}Cr ($\text{Cr}(\text{NO}_3)_3$), ^{60}Co ($\text{Co}(\text{NO}_3)_3$), ^{65}Zn (ZnCl_2), ^{75}Se ($\text{Se}(\text{NO}_3)_2$), ^{90}Sr ($\text{Sr}(\text{NO}_3)_2$),

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ACCESSION NR: AP4038913

^{95}Zr ($\text{Zr}(\text{C}_2\text{O}_4)_2$), ^{110}Ag (AgNO_3), ^{124}Sb (SbCl_5), ^{131}I (NaI), ^{147}Pm ($\text{Pm}(\text{NO}_3)_3$). The decontamination has been carried out immediately after drying or 24, 48, 120 and 360 hours after contamination, by washing and wiping with different reagents (water, ethanol, HCl (3, 10 and 15%), citric acid (2 and 5%), sodium citrate (2 and 5%), ammonium citrate (2 and 5%), H_3PO_4 (1%), CH_3COOH (10%), HNO_3 (3%), H_2SO_4 (1%), ligroin, Na_3PO_4 (1%), citazol (0.5%), EDTA (0.5%), $\text{K}_2\text{Cr}_2\text{O}_7$ (5%), Na_2CO_3 (5%)). The remaining radioactivity has been measured with a TISS radiometer at 5cm. distance from the sample. The results are presented in six ternary diagrams. Original article has two tables and six figures which are included in the abstract.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 09Jun64

ENCL: 10

SUB CODE: GC

NO REF SOV: 000

OTHER: 000

Card 2/12

ACCESSION NR: AP4038913

ENCL: 01

Table 1.

Radioactive Isotopes Used For Contamination

Symbol	Isotope	Chemical Compound
A	^{32}P	Na_2HPO_4
B	^{51}Cr	$\text{Cr}(\text{NO}_3)_3$
C	^{60}Co	$\text{Co}(\text{NO}_3)_2$
D	^{65}Zn	ZnCl_2
E	^{75}Se	$\text{Se}(\text{NO}_3)_2$
F	^{90}Sr	$\text{Sr}(\text{NO}_3)_2$

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ACCESSION NR: AP4038913

ENCL: 02

G	^{95}Zr	$\text{Zr}(\text{C}_2\text{O}_4)_2$
H	^{110}Ag	AgNO_3
I	^{124}Sb	SbCl_5
J	^{131}J	NaJ
K	^{147}Pm	$\text{Pm}(\text{NO}_3)_3$

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ACCESSION NR: AP4038913

ENCL: 03

Table 2.

Reagents Used For Decontamination

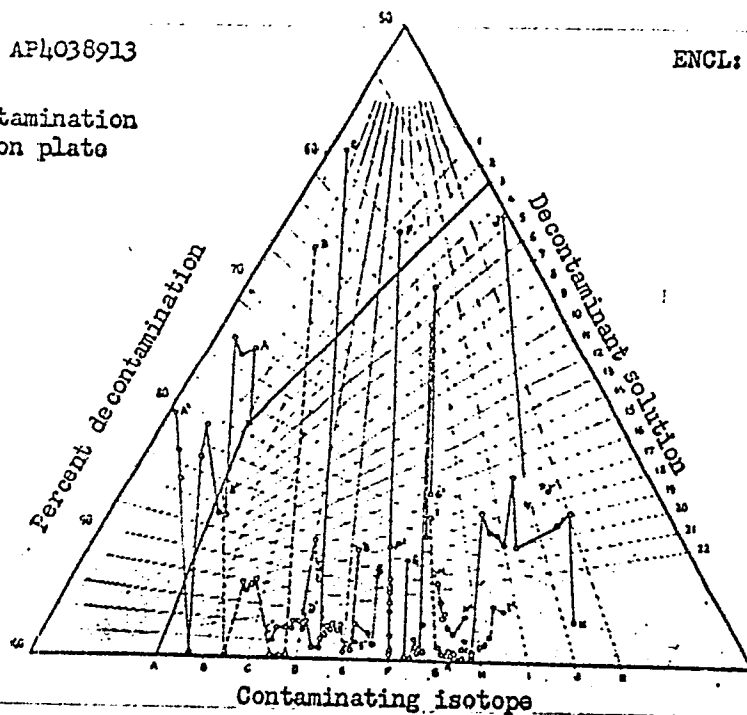
Symbol	Decontaminating Solution
1	Water
2	Ethanol
3	3% HCl
4	10% HCl
5	15% HCl
6	Citric acid - 2%
7	Citric acid - 5%
8	Na citrate 2%
9	Na citrate 5%
10	NH ₄ citrate 2%
11	NH ₄ citrate 5%
12	H ₃ PO ₄

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ACCESSION NR: AP4038913

ENCL: 05

Fig. 1. Decontamination
of iron plate

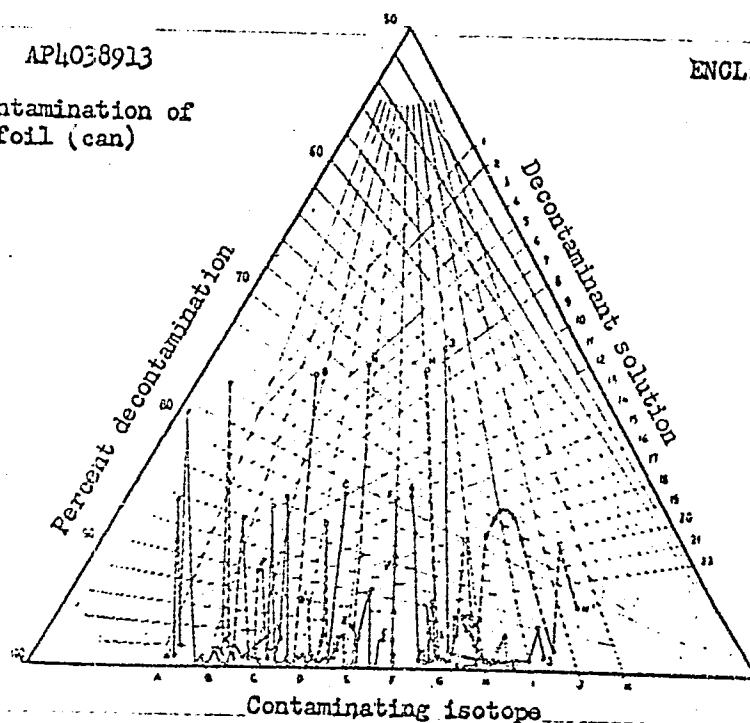


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ACCESSION NR: AP4038913

ENCL: 06

Fig. 4. Decontamination of
tin foil (can)

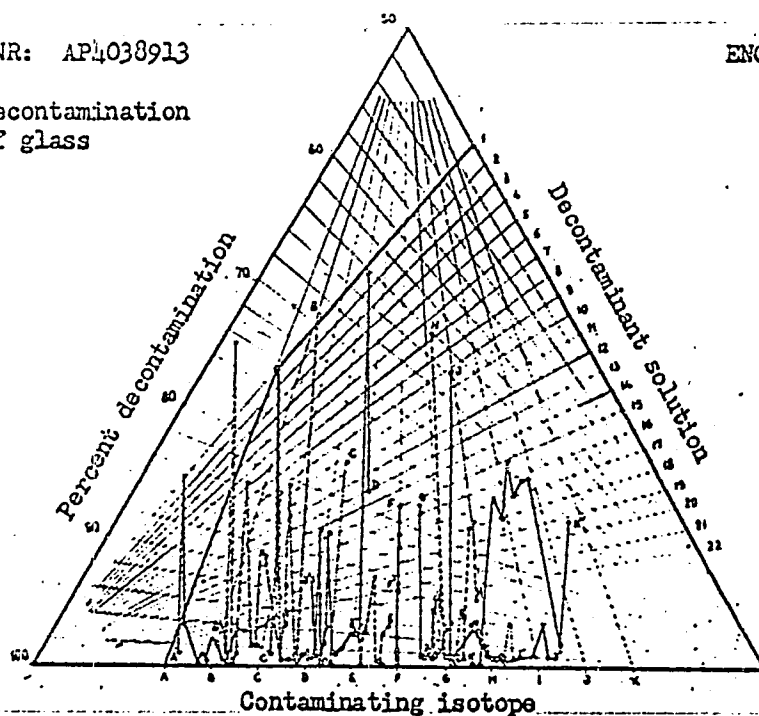


Card 8/12

ACCESSION NR: AP4038913

ENCL: 07

Fig. 3. Decontamination
of glass

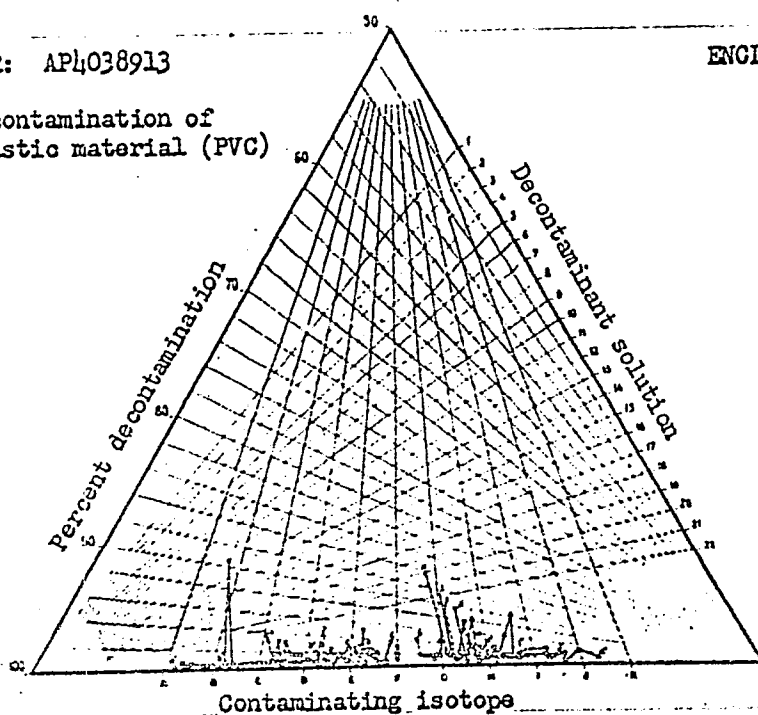


Card 9/12

ACCESSION NR: AP4038913

ENCL: 08

Fig. 6. Decontamination of plastic material (PVC)

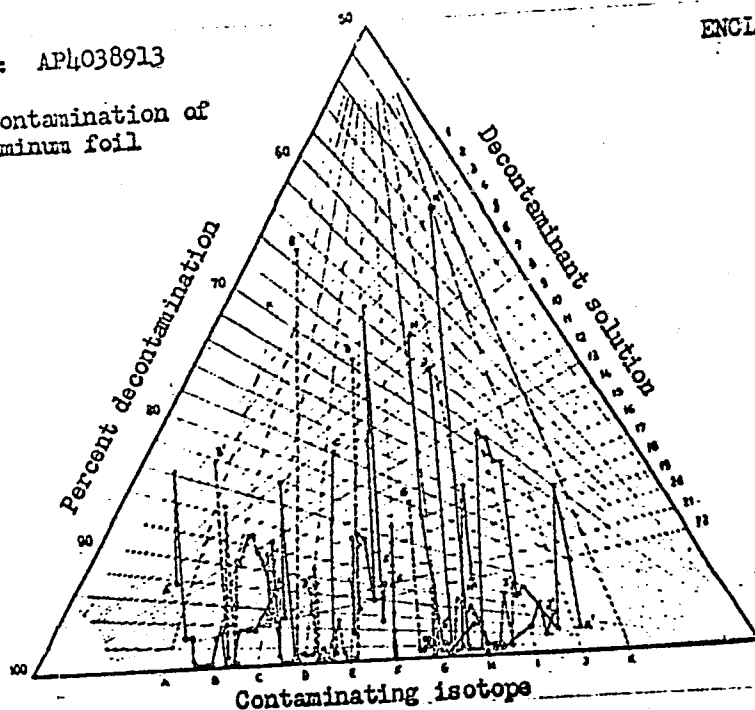


Card 10/12

ACCESSION NR: APL4038913

ENCL: 09

Fig. 2. Decontamination of
aluminum foil

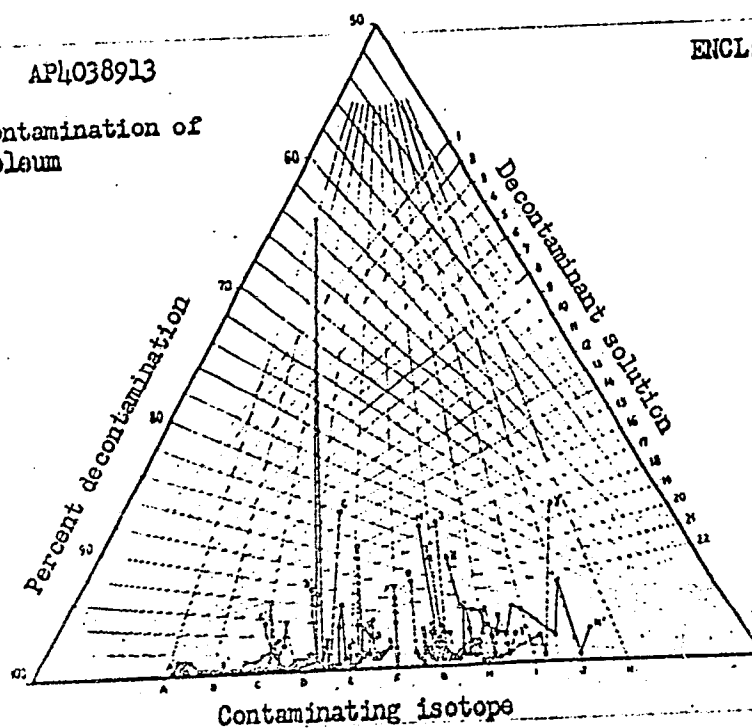


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ACCESSION NR: AP4038913

ENCL: 10

Fig. 5. Decontamination of
linolaum



Cord 12/12

PIRAU, T.; IVANOF, A.; SERBAN, Doina; BARNA, V.; TOLAN, L.; TECSA, D.; SIGHETI, I.

Research on the strain lysotypy of pathogen staphylococci isolated from a group of dark type children. Microbiologia (Bucur) 6 no.1:56-57 Ja-F '61.

1. Institutul de igiena, Cluj (for Pirau, Ivanof, Serban). 2. Casa copilului, Clum (for Barna, Tolan, Tecsca, Sigheti).

*

GASPAR, E., ing.; SERBAN, D., ing.

On the utilization of nuclear radiations in purifying used waters. Hidrotehnica 6 no. 7:253-256 J1 '61.

LICARET, C.; SERBAN, D.; VLAD, T.

Decontamination of surfaces and objects contaminated with radioactive substances; cotton-made protection. Pt. 3. Rev chimie Min petr 15 no.11:692-695 N '64.

IVANOF, A., dr.; SERBAN, Doina, biolog

Research concerning the relations between the fermentative properties and pathogenicity of staphylococci. Microbiologia (Eucur.) 10 no.4:319-326 J1-Ag '65.

1. Lucrare efectuata in Sectia de epidemiologie a Institutului de igiena si protectia muncii, Cluj.

NEGREA, A.; BOTOSANEANU, L.; NEGREA, St. (Banat); TABACARU, I.; SERBAN, E.;
DANCAU, D.; AVRAM, S. (Cernisoara); DECU, A. (Oltenia); DECU, V.
(Oltenia); DUMITRESCU, M.; ORGHIDAN, T. (Cheile Virghisului);
TANASACHE, J.; GEORGESCU, M. (Dobrogea)

Contribution to the study of mollusks in Rumanian caves. Pt. 3.
Studii cerc biol anim 15 no.3:333-342 '63.

1. Comunicare prezentata de M.A. Ionescu, membru corespondent al
Academiei R.P.R.

SERBAN, Eugen N.

Contributions to the studies of the simuliids of Rumania, II. *Simulium*
voilensis n. sp. Rev biol 5 no.1/2:145-153 '60. (EEAI 10:9)

(Simuliidae)

BARBUTA, R., dr.; SIRBAN, FL., dr.; HAIMCUTI, M., dr.; VASILOVICI, R., dr.;
FILIP, M., dr.

Mannitol. clearance in infants. *Pediatria (Bucur)* 14 no.1:
61-64. Ja-F'65.

1. Lucrare efectuata in Clinica de pediatrie, Iasi, si Casa
copilului (prof. E. Hurmuzache).

SERBAN, GH.; VASILCIUC, M.; CORLATEANU, V.

Contribution to the study of harmonic 3 in three-phase converters with forced magnetic flux and Yy connections in symmetrical functionings. Pts. 1-2. P. 11.

STUDII SI CERCETARI STIINTIFICE. FIZICA SI STIINTE TEHNICE. (Academia Republicii Populare Romine. Filiala Iasi) Iasi, Rumania. Vol. 8, no. 1, 1957.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959.

Uncl.

SERBAN E

Preparation of zeolites from domestic (Romanian) raw materials. M. Dima, H. Diaconescu, A. Carpay, and B. Serban (Univ. Cluj, Romania). *Acad. rep. populare Romine, studii cercetari chim.* 2, 139-155 (1961).—Sols. of Al sulfate or Na aluminate were treated with Na silicate under varying conditions of agitation during the reaction; concn. of the sols., the amts. of Na silicate, pH of the sols., and temp.; also the effects of additional Na salts, and of excess alkali during drying were studied. A recipe was developed for the prepn. of a good zeolite corresponding to $3.3\text{SiO}_2 \cdot \text{Al}_2\text{O}_3 \cdot 0.982\text{Na}_2\text{O} \cdot 0.451\text{H}_2\text{O}$. Weraer Jacobson

EXCERPTA MEDICA Sec.17 Vol.4/1 Public Health, etc. Jan58

SERBAN, E.

188. RADULESCU-PRUNCU M. and SERBAN E. Spit. Unif. de Copii „Tudor Vladimirescu”, Bucuresti. Pneumopatii acute la copii în cursul intoxicației provocate de ingerarea petrolului si a derivatilor sai *Acute pneumopathies during the intoxication caused by the ingestion of petroleum or its derivatives in children* *Pediatrics* (Bucuresti) 1957, 6/2 (149-157) Illus. 7

The authors studied 49 cases of acute intoxication following ingestion of petroleum in children aged between 14 months and 9 yr. Pneumopathies were noticed in 27 of the cases, of which 16 displayed radiological symptoms only. Pathogenic, clinical and therapeutic considerations.

SERBAN, E.; IONESCU, V.; BUDICI, G.

Obtainment of sodium sulfate and magnesium salts by a complex utilization of gypsum, dolomite, and rock salt. Report I. p. 559.

REVISTA DE CHIMIE. (Ministerul Industriei Petrolului si Chimiei si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia) Bucuresti, Rumania, Vol. 10, no. 10, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, August 1959.

Uncl.

R/003/61/012/011/002/002
D015/D105

AUTHOR: Șerban, Elisabeta, Engineer

TITLE: Magnesium oxide extracted from sea water

PERIODICAL: Revista de Chimie, v. 12, no. 11, 1961, 641-644

TEXT: The article deals with the extraction of magnesium oxide from the Black Sea. The extraction may be achieved by two processes: the first is based on treating the water with slaked lime, while the second is based on treating the sea-water with dolomitic limewash. The average salinity of the Black Sea water is 16 g/lit, that is 0.9 g/lit of MgO. Rumania has also large dolomite deposits in the Dobrogea Region, with an MgO and CaO content of 20% and 30 - 35% respectively. In spite of the fact that Black Sea water contains less MgO than other seas or oceans, conventional methods can be used for the extraction of magnesium oxide. The following MgO extraction stages were studied at an experimental installation: (1) Removal of bicarbonates from Black Sea water which contains 0.13 to 0.15 g/lit of bicarbonates expressed as CO₂. The amount of dolomitic limewash necessary to precipitate bicarbonates is obtained by stoichio-

R/003/61/012/011/002/002
D015/D105

Magnesium oxide extracted from sea water

metrical computation while the reaction time depends on the water temperature. At this stage, losses of magnesium attain 2 - 3%. (2) Hydroxide precipitation, by pumping into the reaction vat the salt water from which bicarbonates have been removed and a stoichiometrical amount of dolomite wash added. The magnesium oxide precipitation which is not affected by water temperature takes 30 min. To obtain a total precipitation of the magnesium, the pH of the solution should be 10.5 - 11, after the dolomitic limewash has been added. At this stage, the magnesium yield is 95 - 97%. Considering magnesium losses during the first stage, the final yield is 92 - 95%. (3) Decantation of the magnesium hydroxide precipitate, by pumping the magnesium hydroxide suspension containing approximately 2.39 - 2.65 g/lit $Mg(OH)_2$ into the decantation vat. Experimental tests showed an average decantation speed of 0.33 - 0.6 cm/min. To increase this speed, various coagulants have been added. Best results were obtained with polyacrylamide and polyvinyl alcohol, by which the decantation speed was increased 3 to 4 times. The precipitate of magnesium hydroxide is washed twice to eliminate calcium chloride formed during precipitation. The same coagulants are used to increase the washing speed. The analysis of magnesium oxide ob-

Card 2/3

MOTAS, C.; SERBAN, E.

Phreatobiological research: the Motru Valley; preliminary note.
Studii cerc biol anim 13 no.2:227-236 '61.

1. Institutul de speologie "Emil Racovita" Bucuresti. Comunicare
prezentata de Th. Busnita, membru corespondent al Academiei R.P.R.

(WATER, UNDERGROUND) (BIOLOGY)

R/003/62/013/012/001/003
D405/D301

AUTHORS: Serban, E., Creanga, L. and Marcus, D.

TITLE: Treatment of local diatomite deposits in view of their utilization as filtering and filling materials

PERIODICAL: Revista de Chimie, v. 13, no. 12, 1962, 718-723

TEXT: Diatomite was treated in the laboratory for the purpose of obtaining different types of the material that could be used in industry. The following methods of disintegration of the diatomite rock were tried out: dilution with water, mill-grinding in an aqueous medium, ultrasonic disintegration in an aqueous medium, and disintegration by an electromagnetic vibrator in an aqueous medium. Comparing the granulometric data of specimens which underwent various disintegration treatments, it was found that disintegration by electromagnetic vibrator is more convenient if it is required to obtain filling materials. The specimens which were subsequently subjected to chemical treatment had the following composition: SiO_2 75.61%; Fe_2O_3 2.82%; Al_2O_3 10.91%; CaO 1.62%; MgO 1.78%; TiO_2 0.23%; PC 6.34%.

Card 1/2

Treatment of local ...

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D405/D301

Both wet and dry chemical treatments were used. In the wet treatment, sulfuric acid of various concentration was employed; this brought about a variation in the iron and aluminum content of the specimens. The dry treatment involved the addition of the following reagents: NaCl , Na_2CO_3 , H_3PO_4 , NaH_2PO_4 , etc. The best results were obtained with NaCl and H_3PO_4 (or NaH_2PO_4). The chemical treatment had the purpose of reducing the Fe concentration (from initially 3% Fe_2O_3 approx. to 0.6 - 0.8%). Further, the specimens were subjected to surface treatment, with the object of hydrophobizing the diatomite (which is a very hydrophilic material). This was followed by drying the diatomite suspension in an atomizer. The various granulometric fractions were sorted out by an air current. The laboratory treatment yielded a series of diatomite materials which could be utilized in industry as follows: for the filtering of river water (so as to obtain drinking water), filtering of wine and beer; as an ingredient in the rubber-working industry, as a base material in the dye industry. The results obtained in actual use were satisfactory and justify the industrial exploitation of the local diatomite deposits. There are 4 figures and 9 tables.

Card 2/2

SERBAN, E. (Brasov)

Applications of the principle of homogeneity in synthetic geometry.
Gaz mat B 14 no.6:326-334 Je '63.

SERBAN, GH. AND OTHERS

A new method of experimental determination of the characteristics of asynchronous motors. p. 33

STUDII SI CERCEATARI STIINTIFICE. FIZICA SI STIINTE TEHNICE. (Academia Republicii Populare Romine. Filiala Iasi) Iasi, Rumania. Vol. 8, no. 1, 1957.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

CORLATEANU, V.; FILIPTUC, I.; SERBAN, Gh.; SAVIUC, V.

Performance of a nonsymmetrical, general-series, double-fed synchronous machine. Studii fiz tehn Iasi 12 no.1:45-66 '61.

CORLATEANU, V., prof.; BERGMAN, Iosif; SERBAN, Gh.; LEONTE, P.; STIRBU, V.

Self-excitation of the three-phase machine with collector, fed by a stator with three brushes on the couple of the poles. Running of the self-excited machines having a load in series with primary circuit. Studii fiz tehn Iasi 12 no.2:249-265 '61.

1. Institutul politehnic, Iasi, Catedra de masuri si masini electrice, laboratorul de masini electrice. 2. Membru al Comitetului de redactie, "Studii si cercetari stiintifice, Fizica si stiinte tehnice" -Filiala Iasi- (for Corlateanu).

BERGMAN, I.; CORLATEANU, V., prof.; SERBAN, Gh.; LEONTE, P.; STIRBU, V.

Some observations on the running of the three-phase machines with collector, fed by stator, under the working conditions of a generator. Studii fiz tehn Iasi 12 no.2:375-382 '61.

1. Membru al Comitetului de redactie, "Studii si cercetari stiintifice, Fizica si stiinte tehnice" -Filiala Iasi- (for Corlateanu).

POPINCEANU, N., prof.; SERBAN, D., ing.; SERBAN, Gh., ing.

Contributions to the determination of the efficiency of toothed
wheel gears made of plastics. Constr mas 15 no.10:679-683 0 '63.

1. Polytechnic Institute, Iasi.

SERBAN, H.

Standardization of hydrophile wadding. p.23. (STANDARDIZAREA, Bucuresti, Vol. 7, No. 3, Mar. 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol, 4, No. 6, June 1955, Uncl.

SERBAN, F.

Alexandru Bateu, 1922-1963; obituary. Studii cerc biochimie
6 no.4:603-604 '63.

COUNTRY	: ROMANIA	Q
CATEGORY	: Farm Animals.	
	The Swine.	
ABS. JOUR.	: RZhBiol., No. 3, 1959, No. 12076	
AUTHOR	: Radu, A.; Oprea, S.; Axinte, S.; Serban, I.	
INSTR.	: -	
TITLE	: The Boar's Weight at the Time of Mating In- fluencing the Piglet's Development before Weaning.	
ORIG. PUB.	: Probl. zootehn. si veterin., 1958, No 1, 34-36	
ABSTRACT	: It was established that the piglet's weight at weaning is chiefly correlated to the weight of the boar at mating. Pigs of the categories II and III were mated with boars of the category I which gave better results than when mating was performed in the reverse manner.	

Card: 1/1

COMES, L., conf.; MURESEANU, T.; IGNA, M.; URCAN, S.; SERBAN, I.

Staphylococcal infections in the clinic of infectious diseases. Microbiologia (Bucur) 6 no.1:21-22 Ja-F '61.

*

GAVRILA, I., prof.; COMES, L., conf.; JOSAN, R., dr.; SERBAN, I., dr.;
CUCU, Al., dr.; TURCAS, C., dr.

Epidemic hepatitis in the aged (Clinical aspects). Med. intern., Bucur
13 no.1:53-63 Ja '61.

1. Lucrare efectuata in Clinica de boli contagioase, Cluj (prof. I.
Gavrila).

(HEPATITIS, INFECTIOUS in old age)

ROMANIA

Prof. I. GAVRUTA, Dr. L. IANBAG and Dr. P. COBZACU, Infectious Disease Clinic, School of Medicine and Pharmacy (Clinica de boli contagioase, I.M.F. [Instituto medical farmaceutic],) Cluj.

"Dysphenteria in Vaccinated Persons."

Bucharest, Microbiologia, Farmacologia, Epidemiologia, Vol 7, No 6, Nov-Dec 1962; pp 515-517.

Abstract: Of 1097 persons with dysphenteria, 122 had been vaccinated against it, but none of these died whereas 60 of the 975 that had not been vaccinated succumbed. Both symptoms and complications were less and milder in the vaccinated persons. Three tables, no references.

MILINTON, Trifu; SERBAN, Ion

How to obtain a larger volume of work from conventional tractors.
Munca sindic 7 no.3:29-31,42, Mr '63.

1. Presedinte al comitetului sindicatului de la Statiunea de
masini si tractoare Grivita, regiunea Bucuresti (for Serban).

GAVRILA, I., prof.; COMES, L., dr.; JOSAN, R., dr.; SERBAN, I. dr.; MARINA, M. dr.; BOTA, R., dr.

Study of the sensitivity of the tests of dysproteinemia (thymol, Takata and Grinsted) in comparison with enzyme tests (transaminase and aldolase) in epidemic hepatitis and in other hepatic diseases. Med. intern. (Bucur.) 16 no. 6: 709-721 Je '64

1. Lucrare efectuata in Clinica de boli contagioase, Cluj (director: prof. I. Gavrilă).

SERBAN, Ligia

"An objective method for forecasting thunderstorms at Traux Field, Madison, Wisconsin" by V.Colby, Jr.Ardis. Reviewed by Ligia Serban. Meteorologia hidrol gosp 6 no.4:342 '61.

SERBAN, Ligia

"Measurement of positive-ion density in the ionosphere by sounding rocket" by T. Schimiya, K. Takamaya et al. Reviewed by Ligia Serban. Meteorologia hidrol gosp 7 no.1:79-80 '62.

BRUCKNER, J.; PURICE, S.; TITZICA, Maria; SERBAN Margareta

Serological research in disseminated lupus erythematosus. Arch.
roum. path. exp. microbiol. 23 no.3:769-774 S'63

1. Travail de la Clinique Medicale de l'Institut Medico-Phar-
maceutique de Bucarest; Hopital "Dr. I. Cantacuzino", Bucarest.

SERBAN, Mihai

Collection of biologic material from phreatic waters.
Izdaniya Prirnauc muzeja Skopje 9 no. 1:1-13 '63.

1. Speleological Institute of the Rumanian Academy,
Cluj Section.

SERBAN, M.

"Polarographic determination of vitamin C in vegetables grown from chemically stimulated or unstimulated seeds"

p. 1025 (Comunicarile, Vol. 7, No. 12, Dec. 1957, Bucharest, Rumania)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1,
Jan. 58.

SERBAN, M. MAMAGLICA, X.

Polarographic analysis of surface activities of certain curalizing substances used in medicine. p. 375.

Academia Republici Populare Romine. COMUNICARILE. Bucurresti, Rumania.
Vol. 8, no. 4, Apr. 1958

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 2, July 1959

Uncl.

STERESCU, N.; STANCU, Alexandra; SERBAN, Margareta; GHIZARI, Eugenia.

Bearing of alloxanic diabetes on the biliary secretion. Studii cerc
fiziol 4 no.4:529-536 '59. (EEAI 9:9)

1. Institutul de fiziologie normala si patologica "Prof. Dr.
D.Danielopolu" al Academiei R.P.R. 2. Comitetul de redactie,
Studii si cercetari de fiziologie (for Sterescu)
(DIABATES)
(BILE)

STANESCU, M., dr.; ALINESCU, R., dr.; SERBAN, Margareta, chimist.

Research on the value of a urinary test in diagnosis of pancreatitis.
Med. intern., Bucur. 11 no. 12: 1885-1888 '59.

1. Lucrare efectuata in Clinica a IV-a medicala "Filantropia",
director prof. I. Bruckner.
(PANCREATITIS, diagnosis)

BRUCKNER, I., prof.; PURICE, S., dr.; SERBAN, Margareta, chim.; LICHIG,
Ernestina, dr.; COSTICA, I., dr. FICA, V.

Methods of functional examination and of diagnosis in chronic
hepatitis and cirrhosis following viral hepatitis. Med. inter.,
Bucur 13 no.5:679-682 My '61.

(HEPATITIS, INFECTIOUS complications)
(LIVER CIRRHOSIS diagnosis) (HEPATITIS diagnosis)

CAPILNA, S., cercetator principal; SERBAN, M., cercetator principal

The 5th International Congress of Biochemistry. Studii cerc
biochimie 5 no.1:121-129 '62.

1. Institutul de fiziologie al Academiei R.P.R. (for Capilna).
2. Institutul de biochimie al Academiei R.P.R. (for Serban).